

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032992.D
 Acq On : 5 Mar 2018 16:35
 Operator : SJ/JU
 Sample : J1792-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 17:50:47 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

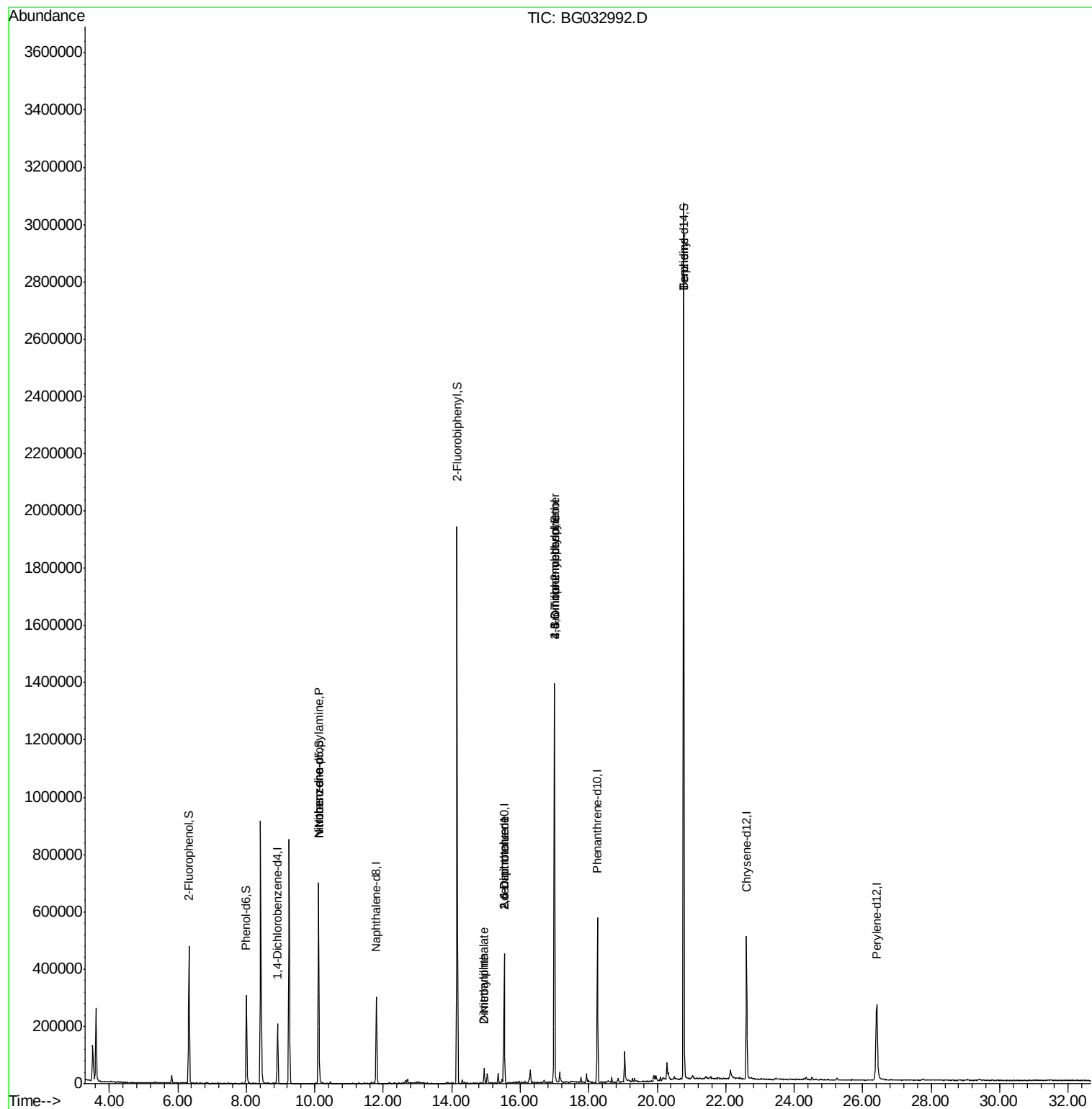
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	60761	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	280722	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	162074	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	357672	20.00	ng	0.00
75) Chrysene-d12	22.61	240	324434	20.00	ng	-0.01
86) Perylene-d12	26.41	264	329114	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	228758	60.23	ng	0.00
7) Phenol-d6	8.00	99	189766	35.85	ng	-0.01
23) Nitrobenzene-d5	10.11	82	443088	106.67	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	244959	143.74	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	988428	87.96	ng	-0.01
78) Terphenyl-d14	20.77	244	1348445	93.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	56439	15.102	ng	# 84
24) Nitrobenzene	10.11	77	1307	6.633	ng	# 37
47) 2-Nitroaniline	14.94	65	433	9.965	ng	# 1
49) Dimethylphthalate	14.94	163	33165	2.410	ng	# 98
50) 2,6-Dinitrotoluene	15.52	165	21310	16.519	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	21310	14.718	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	533	5.582	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17613	4.657	ng	# 1
76) Benzidine	20.77	184	23569	2.131	ng	# 92

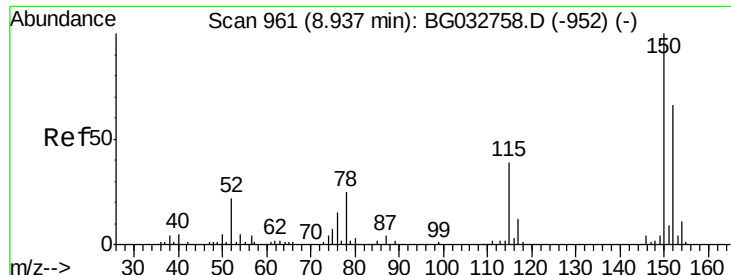
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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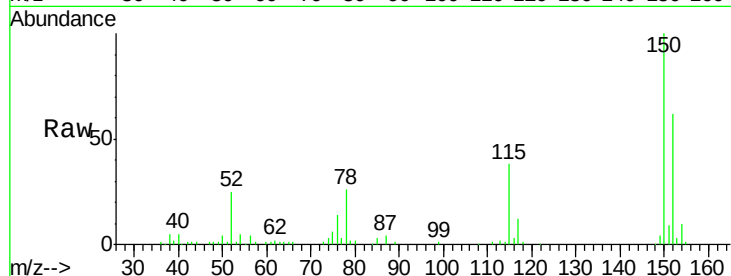


#1

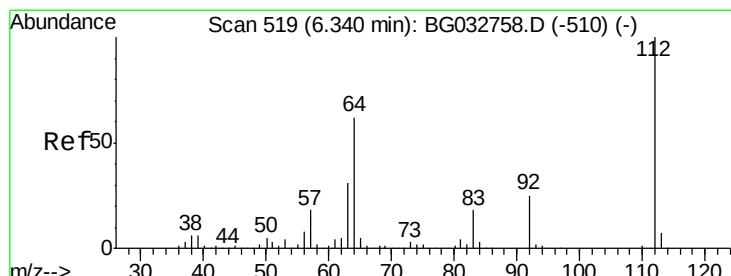
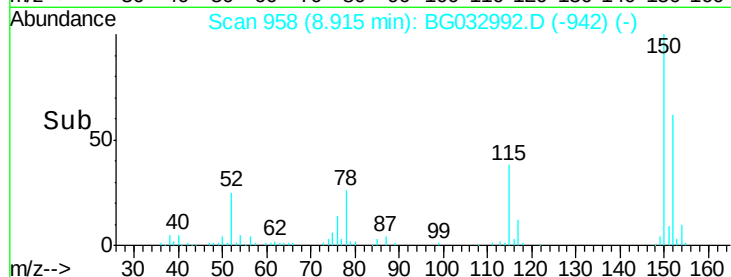
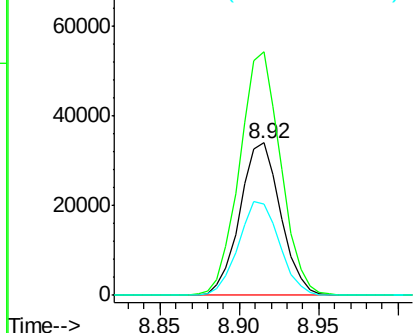
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60761
Ion Ratio Lower Upper
152 100
150 160.0 126.6 189.8
115 60.4 53.0 79.4



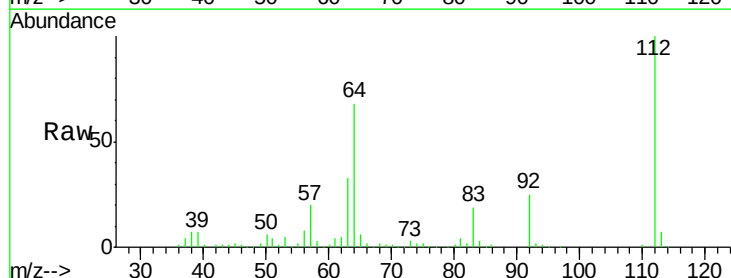
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



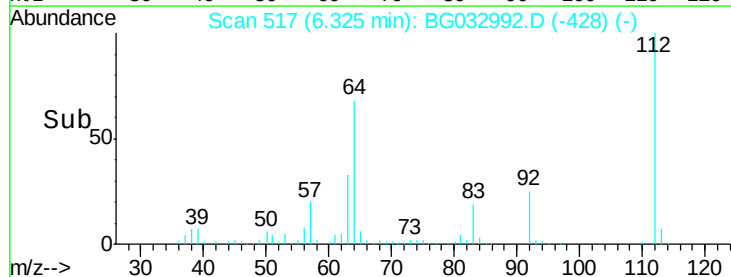
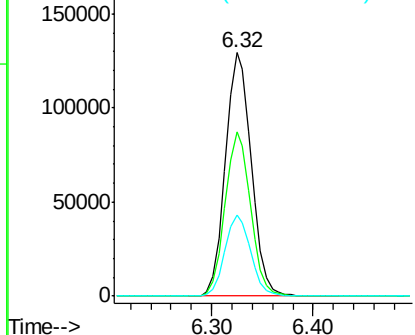
#5

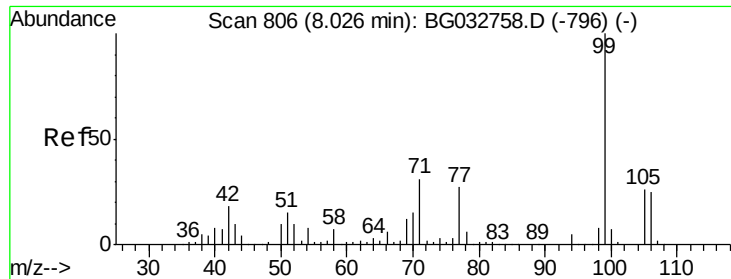
2-Fluorophenol
Concen: 60.233 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.01 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Tgt Ion:112 Resp: 228758
Ion Ratio Lower Upper
112 100
64 67.6 56.3 84.5
63 33.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 35.847 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032992.D

Acq: 5 Mar 2018 16:35

Instrument :

BNA_G

ClientSampled :

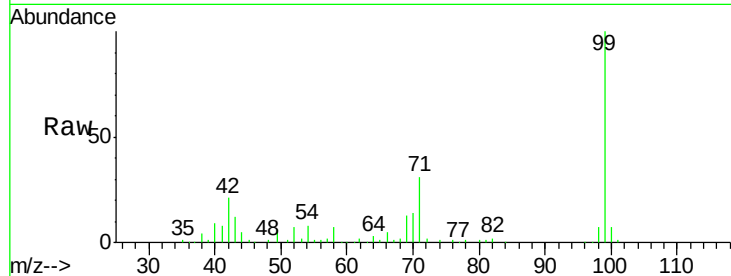
Tot Ion: 99 Resp: 189766

Ion Ratio Lower Upper

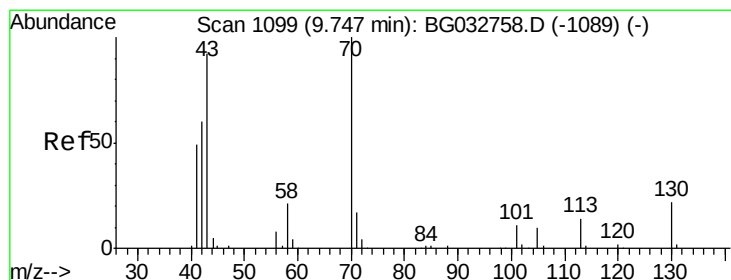
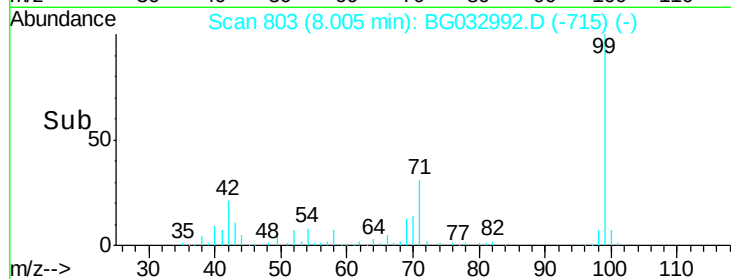
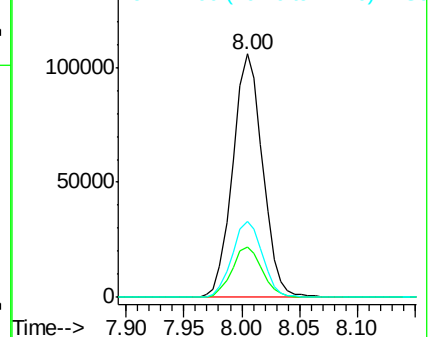
99 100

42 20.7 14.1 21.1

71 31.3 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.102 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032992.D

Acq: 5 Mar 2018 16:35

Tgt Ion: 70 Resp: 56439

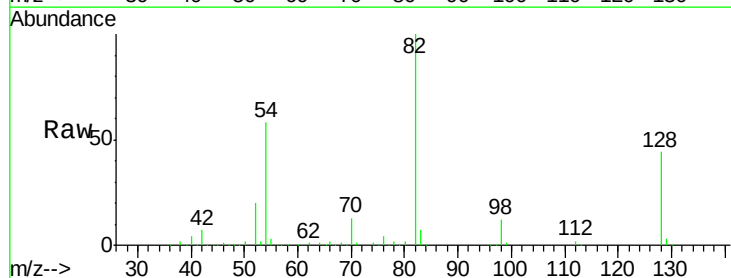
Ion Ratio Lower Upper

70 100

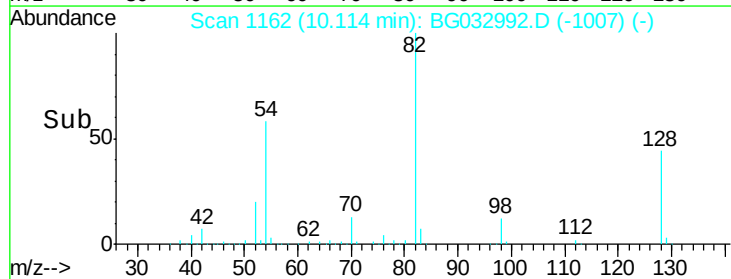
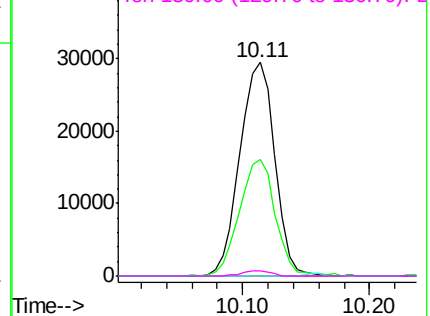
42 54.8 49.1 73.7

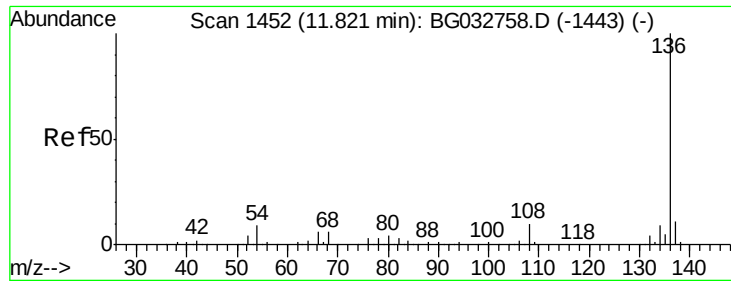
101 0.0 8.5 12.7#

130 2.1 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

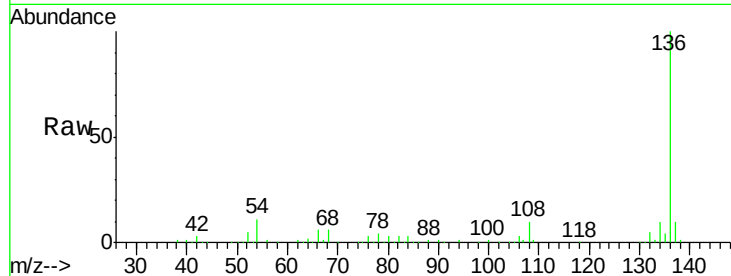




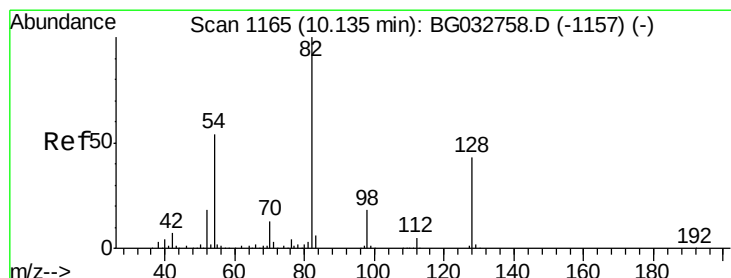
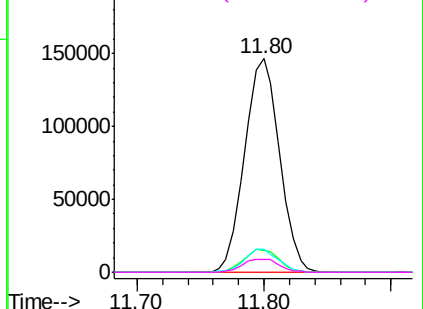
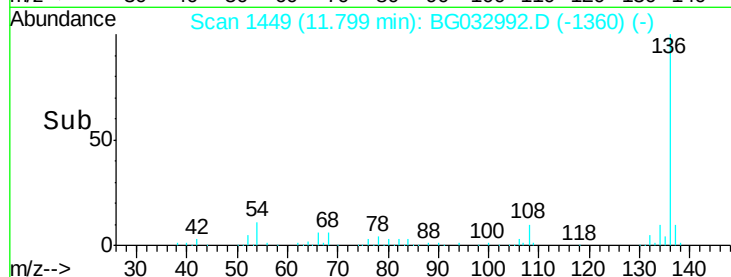
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	280722
Ion	Ratio	Lower Upper
136	100	
137	10.2	9.2 13.8
54	10.7	10.3 15.5
68	6.1	4.5 6.7

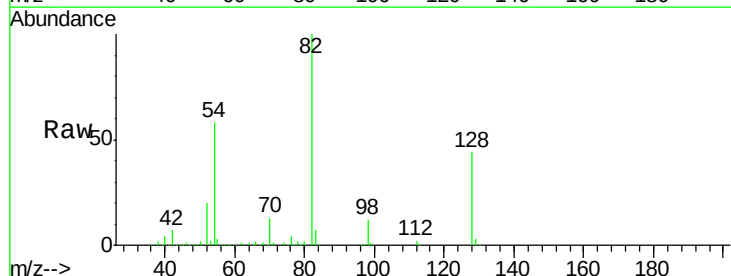


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

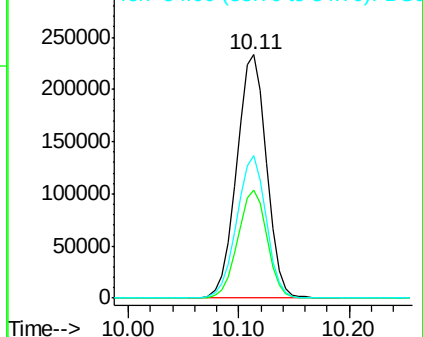
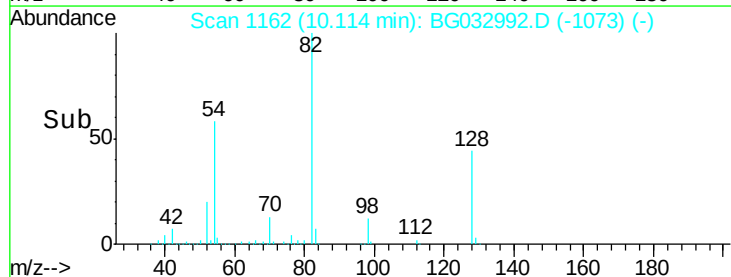


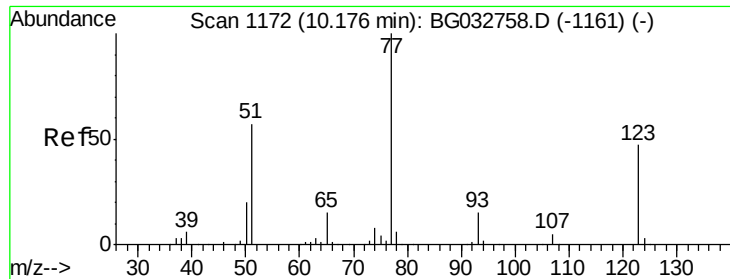
#23
Nitrobenzene-d5
Concen: 106.671 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Tgt Ion: 82	Resp:	443088
Ion	Ratio	Lower Upper
82	100	
128	44.3	29.7 44.5
54	58.3	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 6.633 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BG032992.D

Acq: 5 Mar 2018 16:35

Instrument :

BNA_G

ClientSampled :

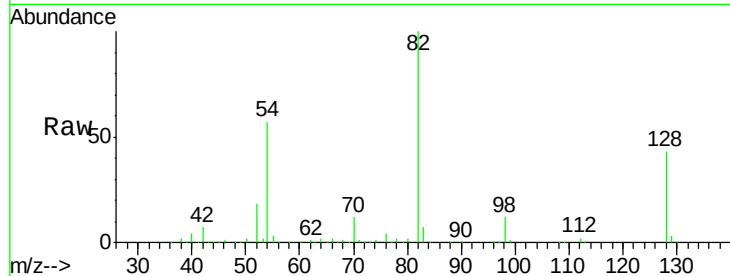
Tot Ion: 77 Resp: 1307

Ion Ratio Lower Upper

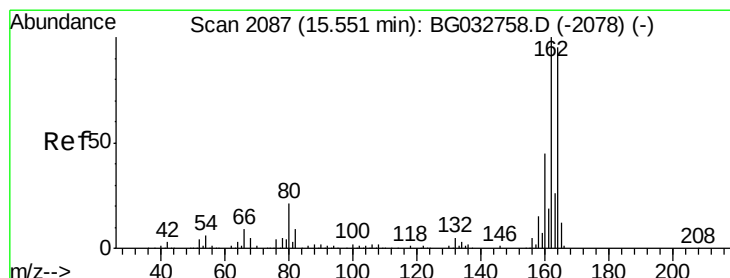
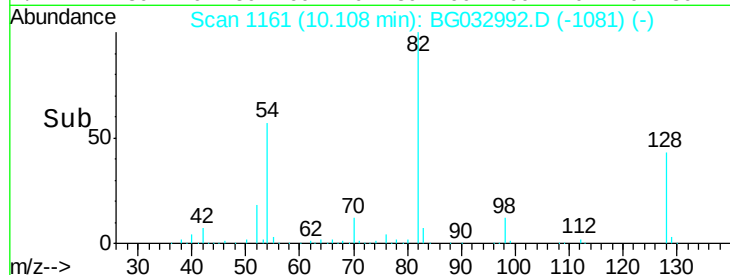
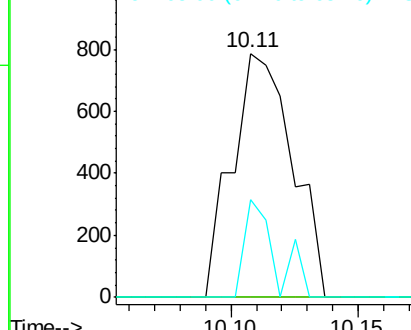
77 100

123 0.0 33.0 49.6#

65 40.3 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG032992.D

Acq: 5 Mar 2018 16:35

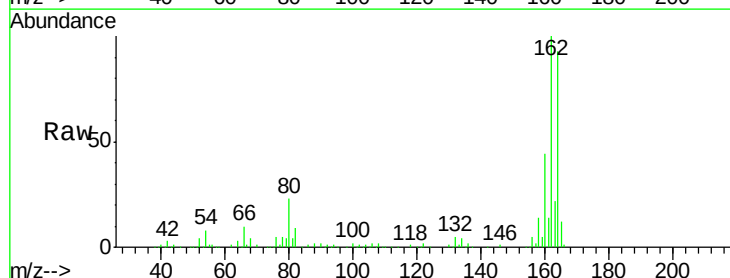
Tgt Ion:164 Resp: 162074

Ion Ratio Lower Upper

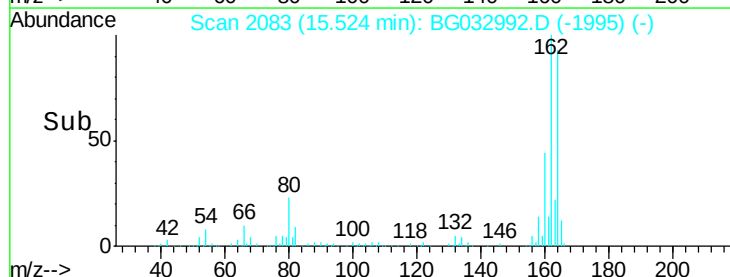
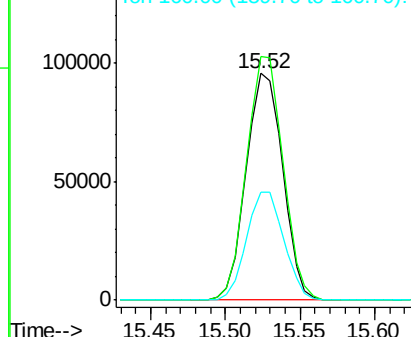
164 100

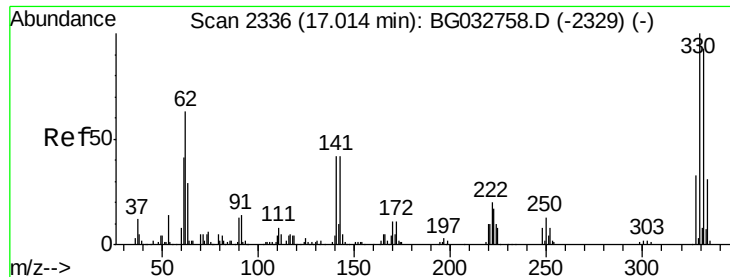
162 107.4 78.8 118.2

160 47.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

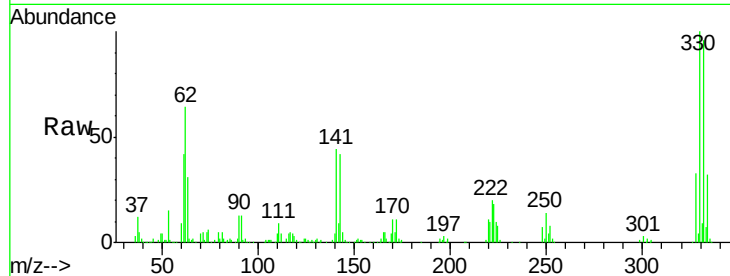




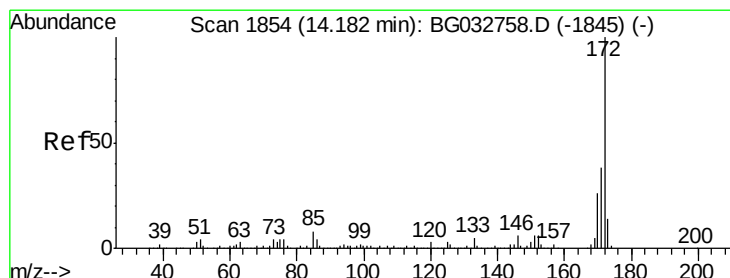
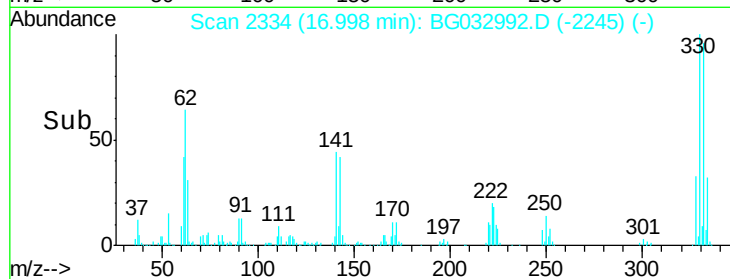
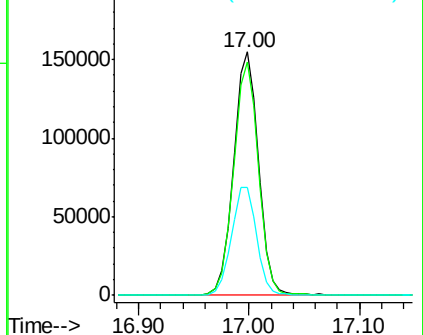
#41
 2,4,6-Tribromophenol
 Concen: 143.742 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: BG032992.D
 Acq: 5 Mar 2018 16:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 244959
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 45.5 25.2 37.8#

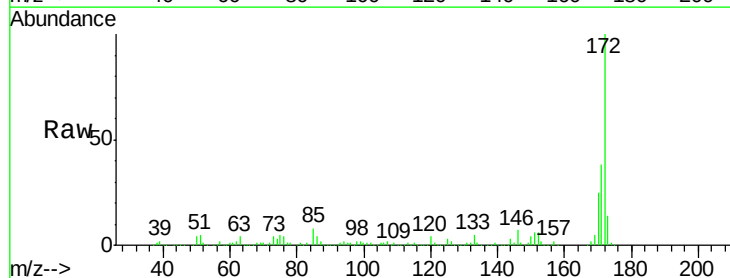


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

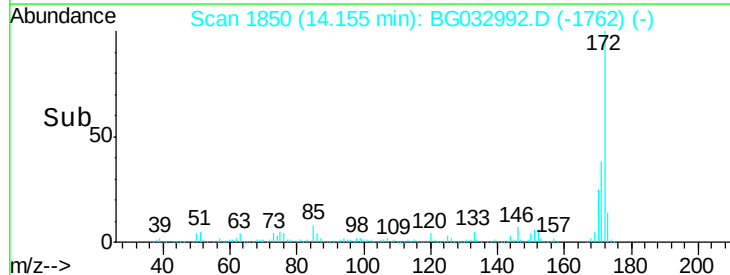
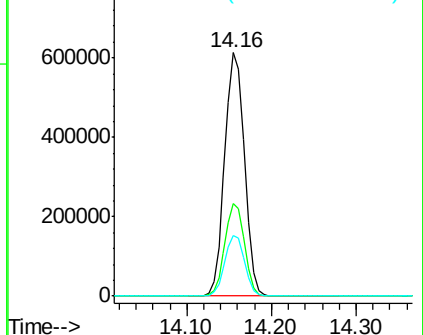


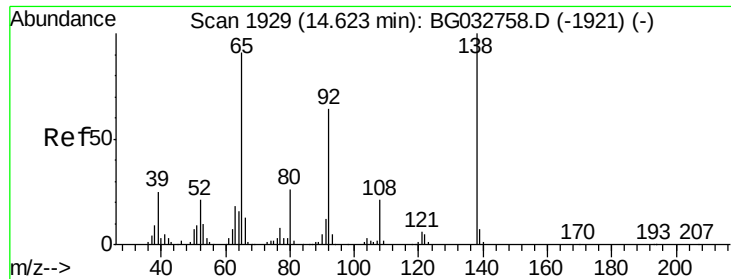
#44
 2-Fluorobiphenyl
 Concen: 87.958 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032992.D
 Acq: 5 Mar 2018 16:35

Tgt Ion:172 Resp: 988428
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 25.1 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

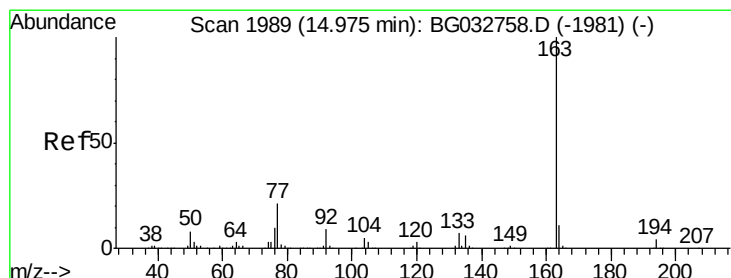
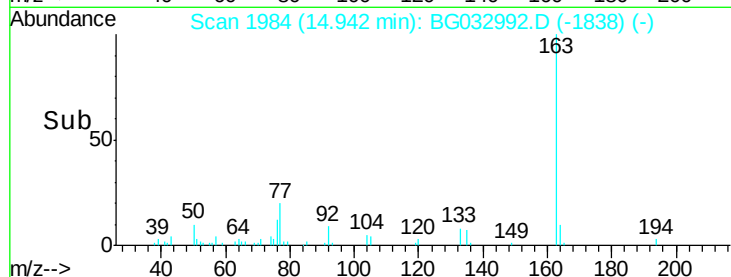
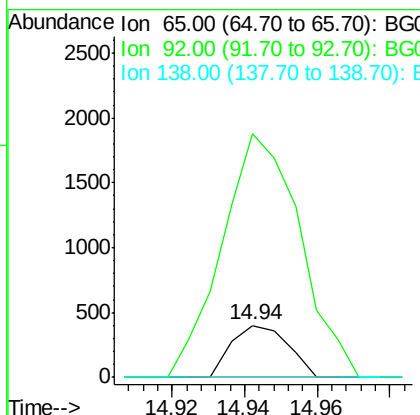
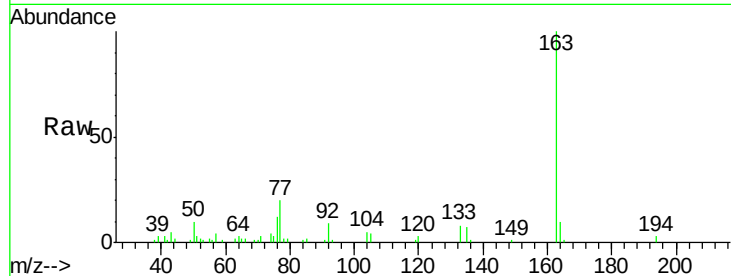




#47
2-Nitroaniline
Concen: 9.965 ng
RT: 14.94 min Scan# 1984
Delta R.T. 0.33 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

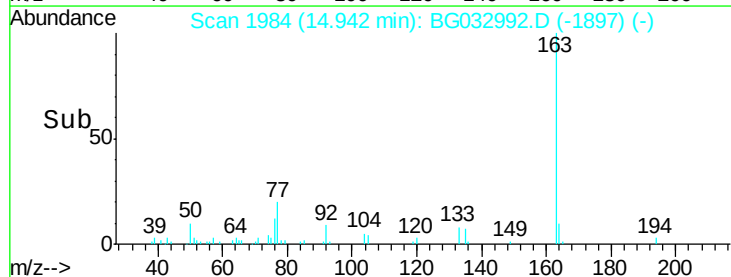
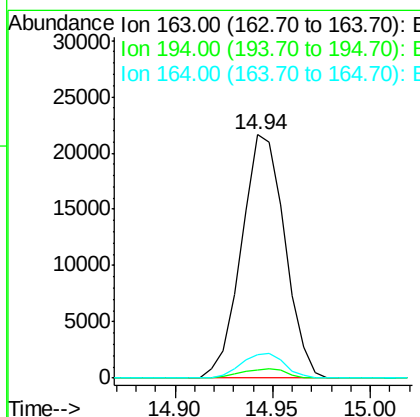
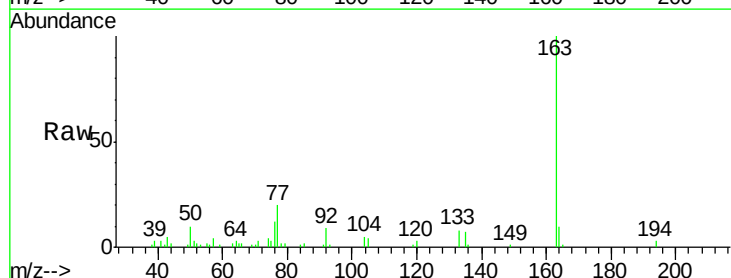
Instrument :
BNA_G
ClientSampled :

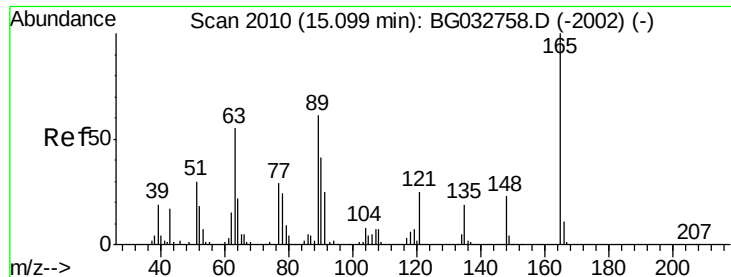
Tot Ion: 65 Resp: 433
Ion Ratio Lower Upper
65 100
92 466.9 54.6 82.0#
138 0.0 72.9 109.3#



#49
Dimethylphthalate
Concen: 2.410 ng
RT: 14.94 min Scan# 1984
Delta R.T. -0.02 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Tgt Ion:163 Resp: 33165
Ion Ratio Lower Upper
163 100
194 3.2 3.4 5.2#
164 9.6 8.2 12.4

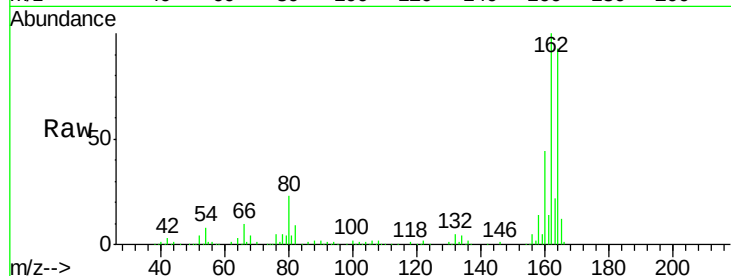




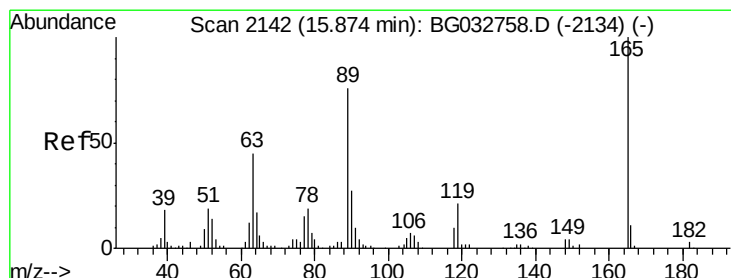
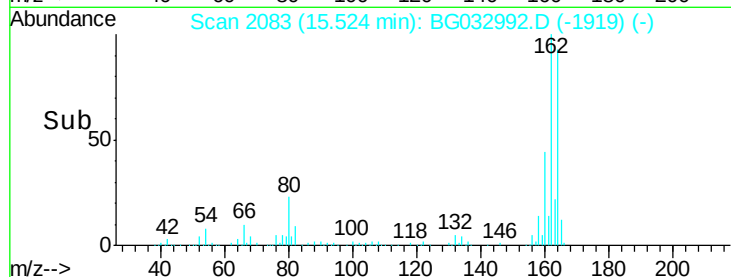
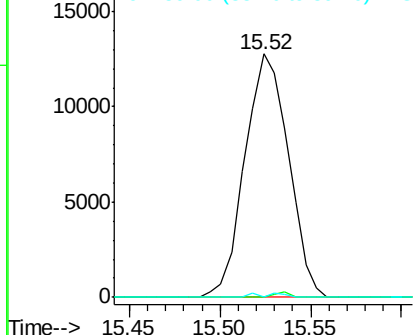
#50
2,6-Dinitrotoluene
Concen: 16.519 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.43 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21310
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

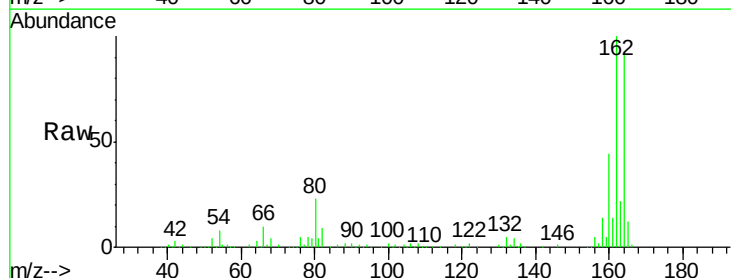


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

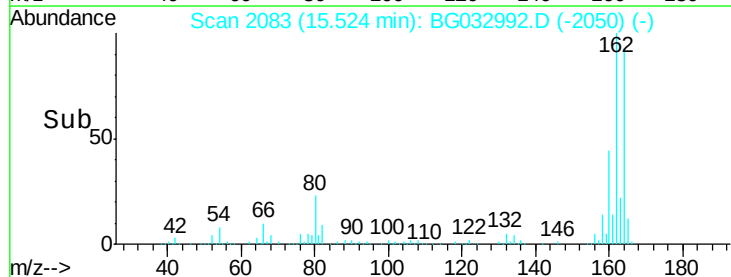
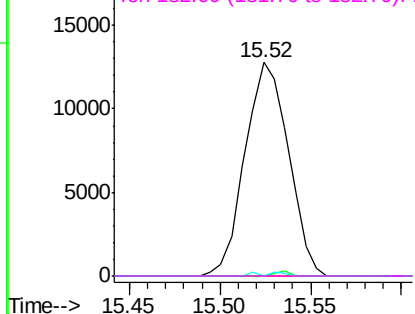


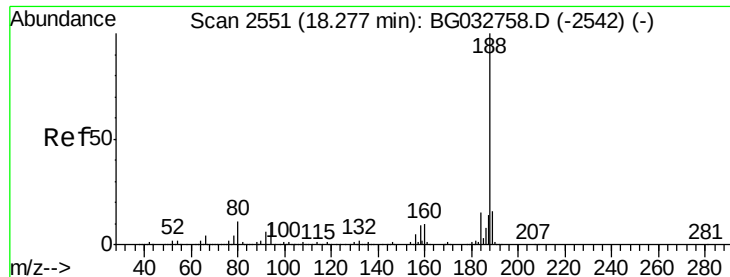
#56
2,4-Dinitrotoluene
Concen: 14.718 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Tgt Ion:165 Resp: 21310
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

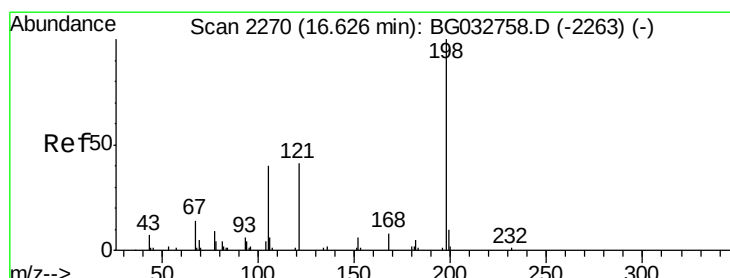
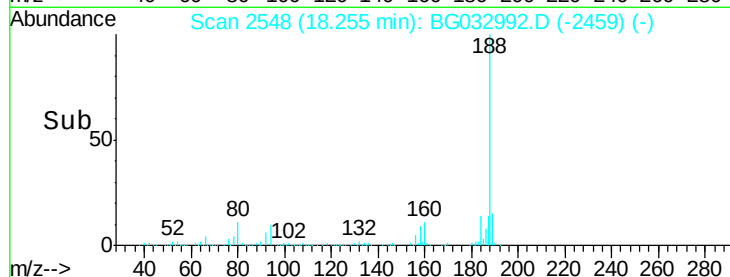
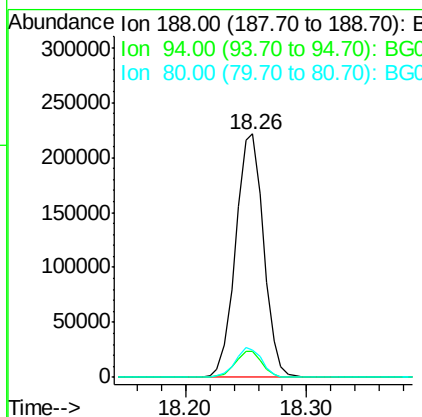
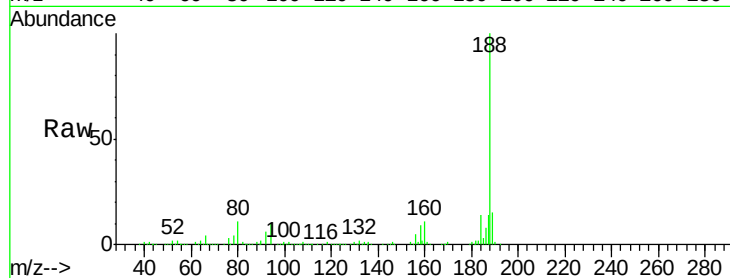




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032992.D
 Acq: 5 Mar 2018 16:35

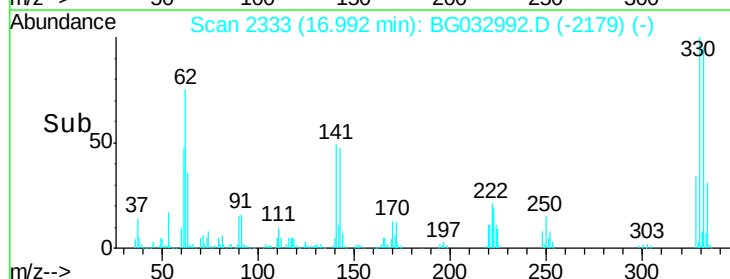
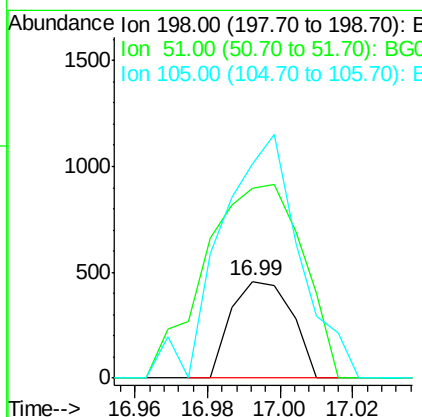
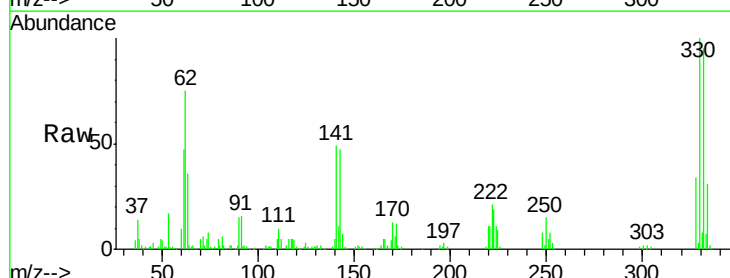
Instrument :
 BNA_G
 ClientSampleId :

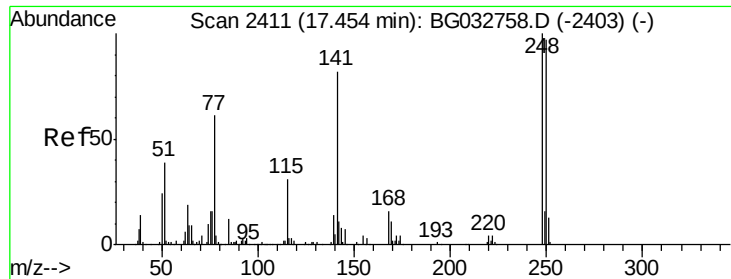
Tot Ion:188 Resp: 357672
 Ion Ratio Lower Upper
 188 100
 94 10.4 6.9 10.3#
 80 11.2 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.582 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG032992.D
 Acq: 5 Mar 2018 16:35

Tgt Ion:198 Resp: 533
 Ion Ratio Lower Upper
 198 100
 51 195.8 30.6 70.6#
 105 222.1 23.8 63.8#

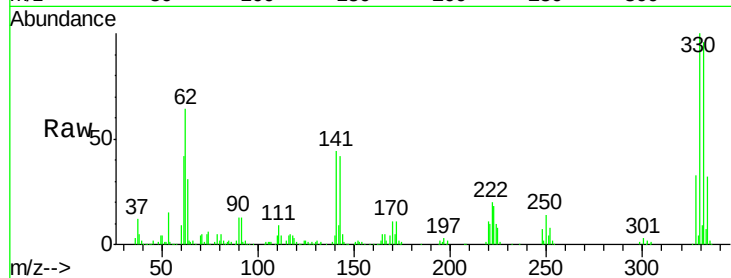




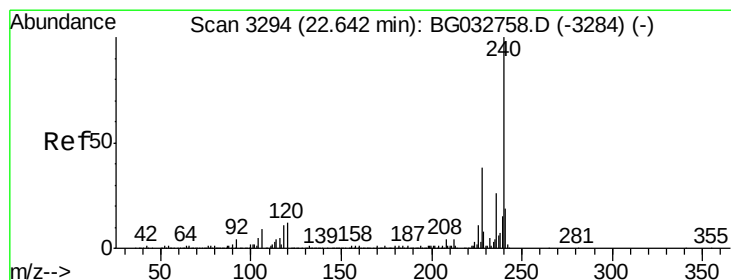
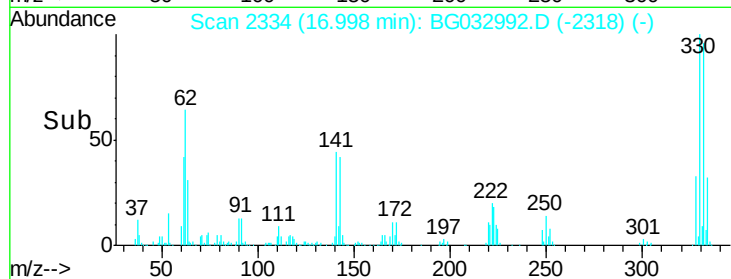
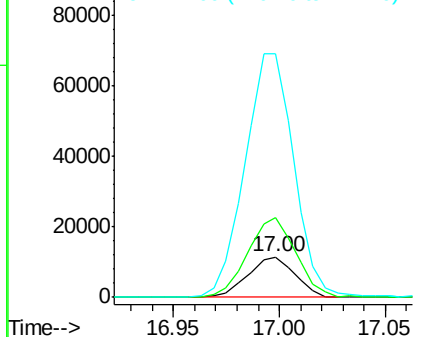
#66
 4-Bromophenyl-phenylether
 Concen: 4.657 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG032992.D
 Acq: 5 Mar 2018 16:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17613
 Ion Ratio Lower Upper
 248 100
 250 196.4 77.1 115.7#
 141 602.8 50.8 76.2#

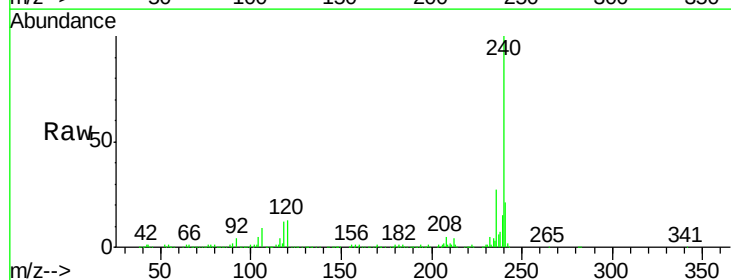


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

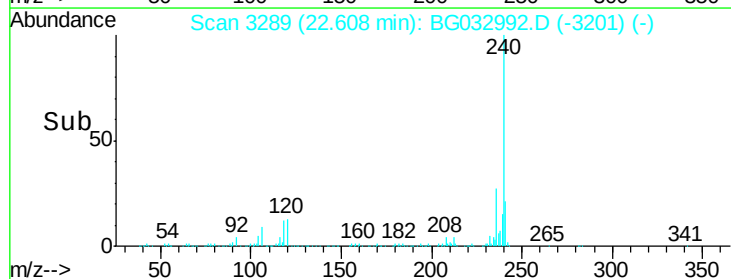
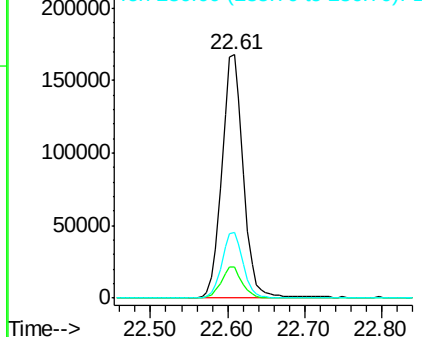


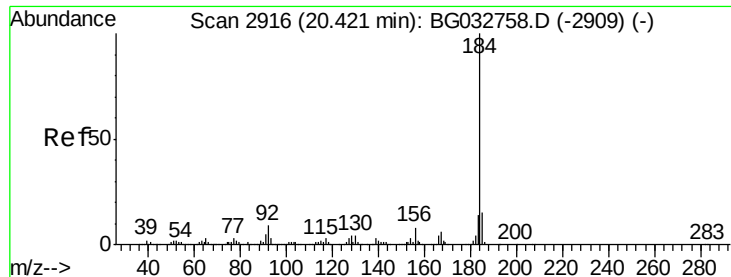
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.01 min
 Lab File: BG032992.D
 Acq: 5 Mar 2018 16:35

Tgt Ion:240 Resp: 324434
 Ion Ratio Lower Upper
 240 100
 120 12.7 6.8 10.2#
 236 26.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.131 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032992.D

Acq: 5 Mar 2018 16:35

Instrument :

BNA_G

ClientSampleId :

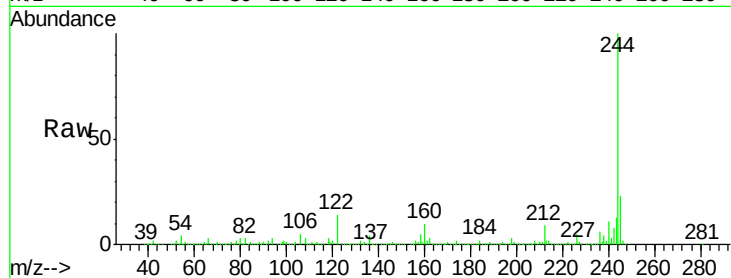
Tot Ion:184 Resp: 23569

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

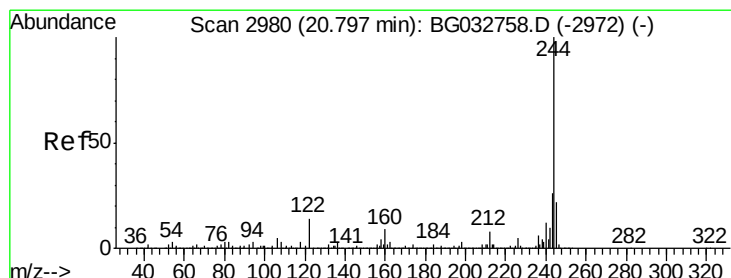
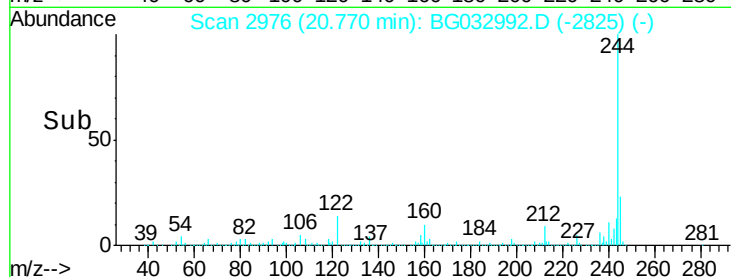
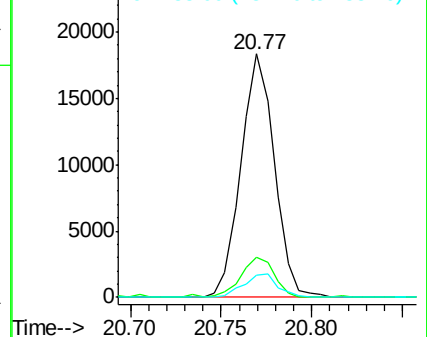
183 9.0 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 93.381 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BG032992.D

Acq: 5 Mar 2018 16:35

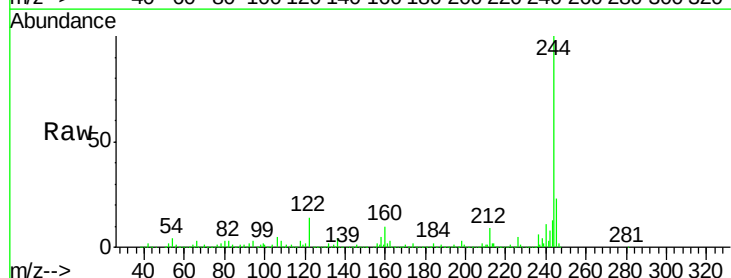
Tgt Ion:244 Resp: 1348445

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

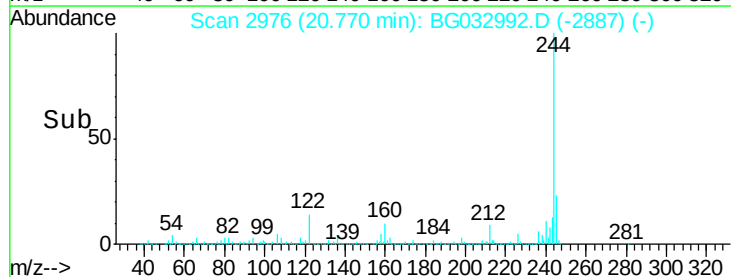
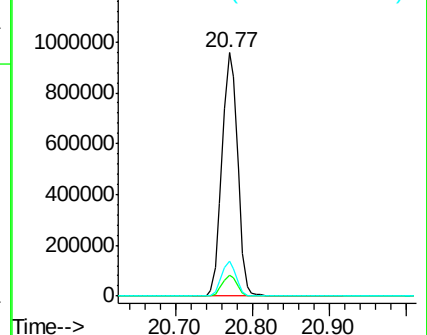
122 14.5 7.0 10.4#

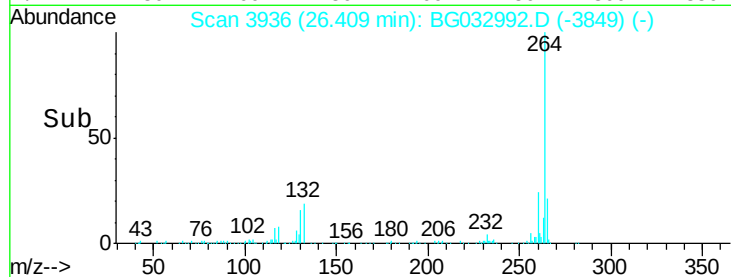
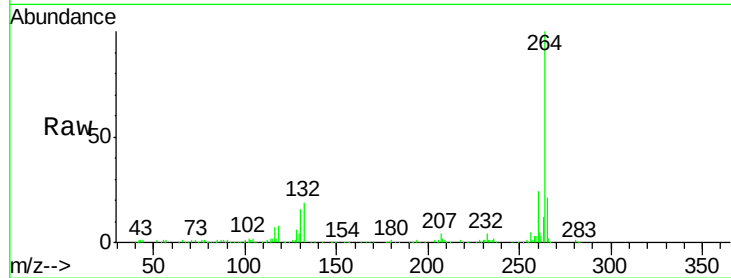
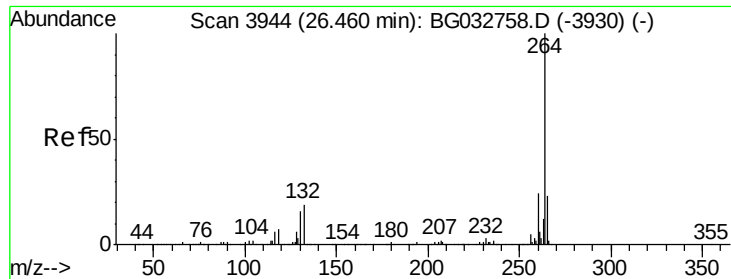


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3936
Delta R.T. -0.02 min
Lab File: BG032992.D
Acq: 5 Mar 2018 16:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.1	17.7	26.5

